NWS- Forecast: MIDDLE TANANA VALLEY- INCLUDING...FAIRBANKS 612 AM ADT TUE APR 15 2008

TODAY...MOSTLY CLOUDY WITH OCCASIONAL FLURRIES. HIGHS AROUND 30. WEST WINDS TO 15 MPH. **.TONIGHT...**MOSTLY CLOUDY WITH FLURRIES. LOWS 10 TO 15. WEST WINDS TO 15 MPH.

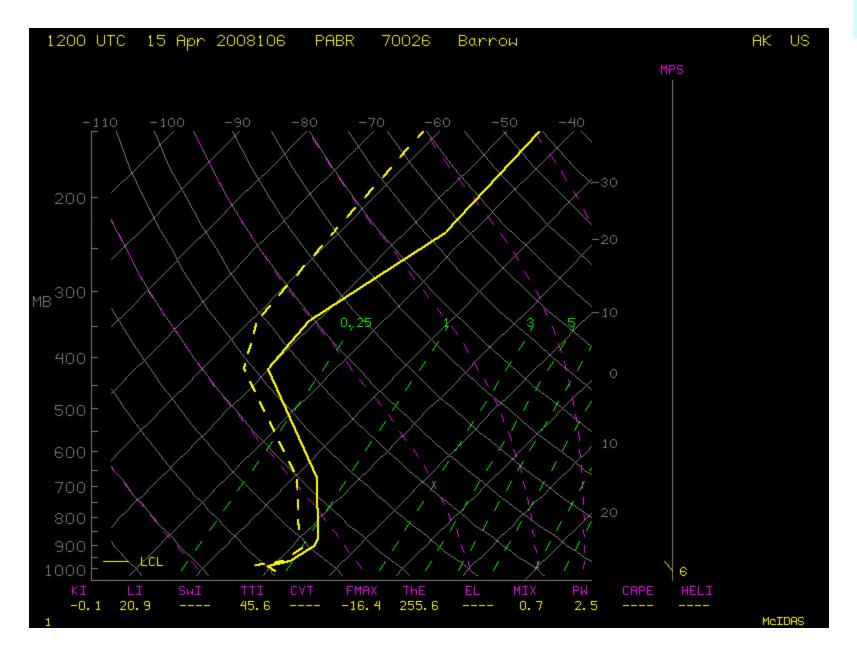
WEDNESDAY...MOSTLY CLOUDY WITH A CHANCE OF SNOW IN THE AFTERNOON. HIGHS 25 TO 30. WEST WINDS 10 TO 20 MPH. **WEDNESDAY NIGHT...**CLOUDY WITH A CHANCE OF SNOW. LOWS AROUND 10 ABOVE. SOUTHWEST WINDS 5 TO 15 MPH.

THURSDAY...MOSTLY CLOUDY WITH A CHANCE OF SNOW. HIGHS 30 TO 35. WEST WINDS TO 15 MPH. .THURSDAY NIGHT...PARTLY CLOUDY. LOWS NEAR 10 ABOVE.

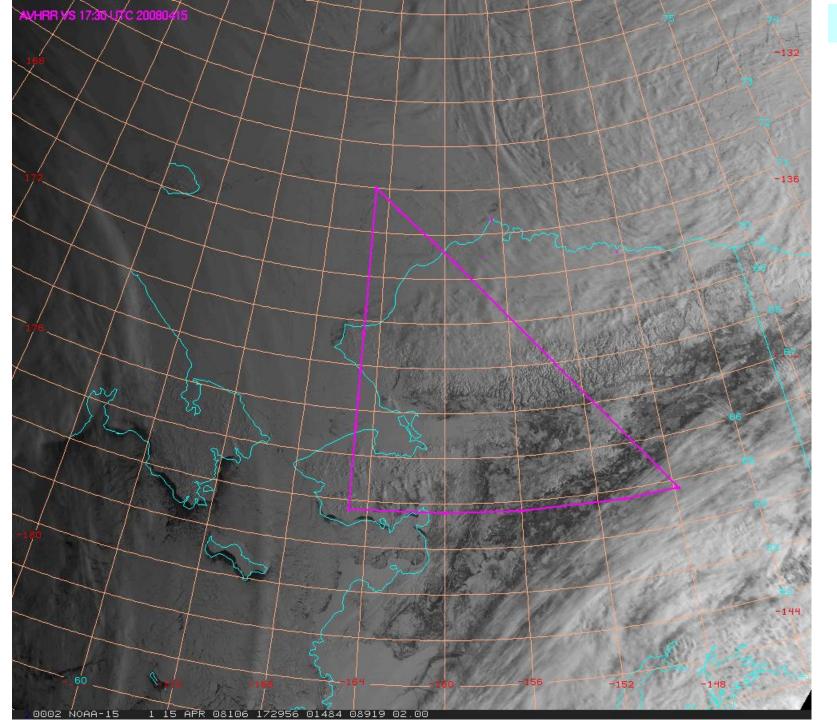
FRIDAY...PARTLY CLOUDY. HIGHS NEAR 35. **.FRIDAY NIGHT...**MOSTLY CLOUDY. LOWS NEAR 15.

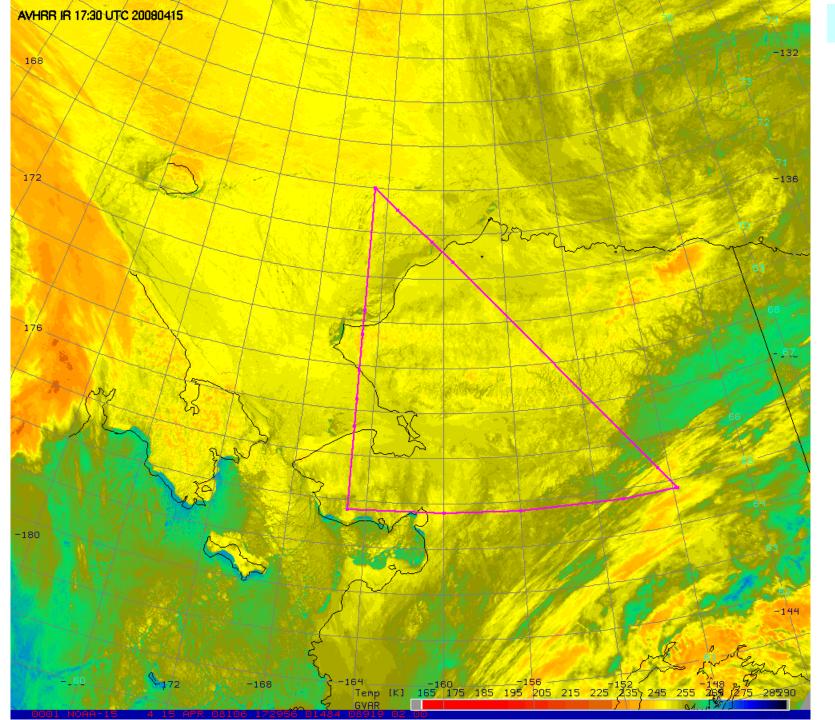
SATURDAY...MOSTLY CLOUDY. HIGHS NEAR 40. **.SATURDAY NIGHT...**PARTLY CLOUDY. LOWS NEAR 25.

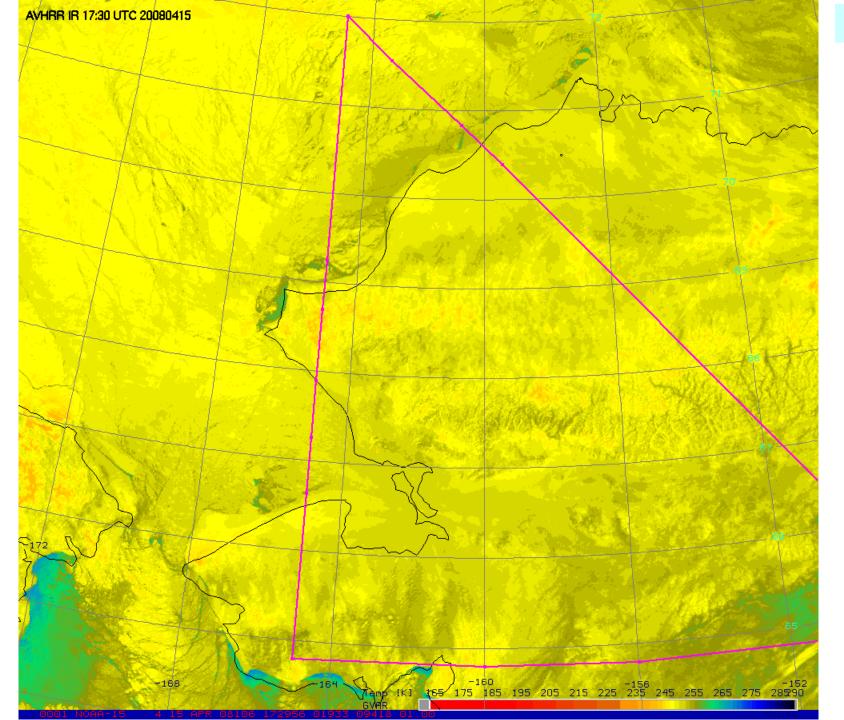
SUNDAY...PARTLY CLOUDY. HIGHS NEAR 45.

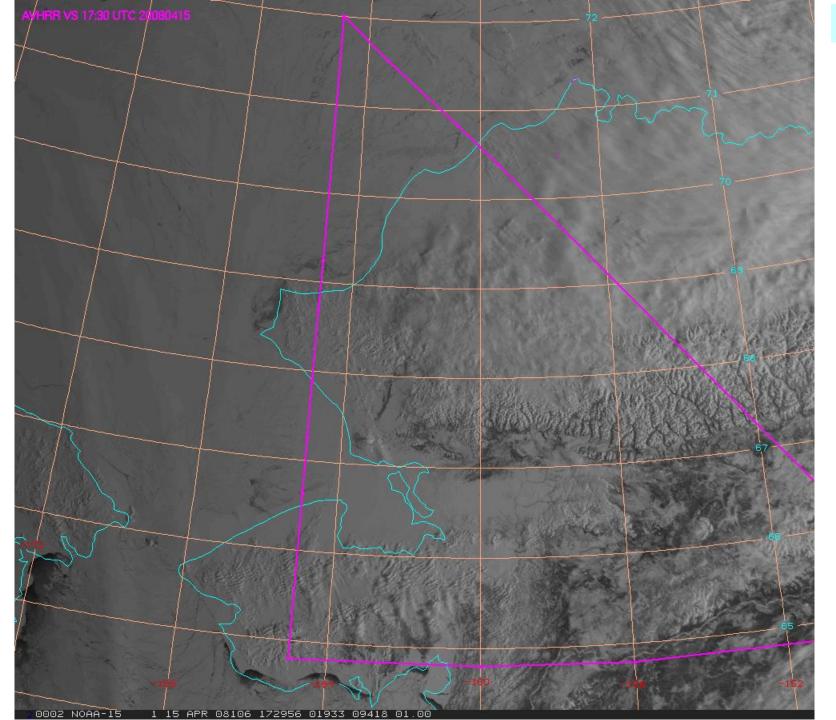


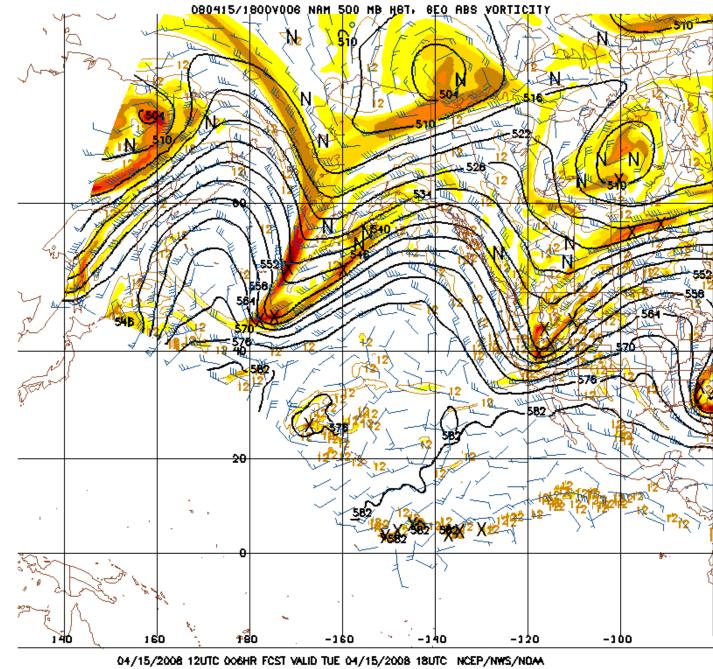
This morning's sounding from Barrow



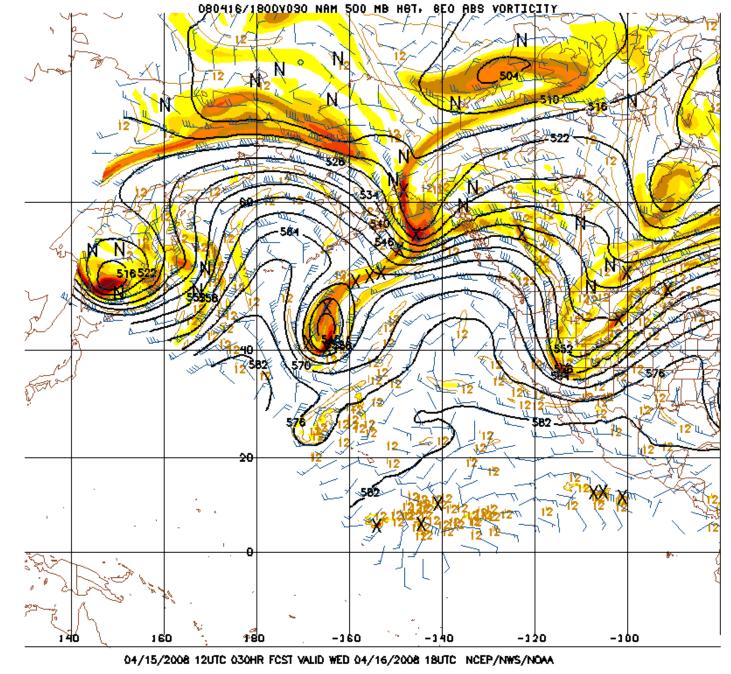




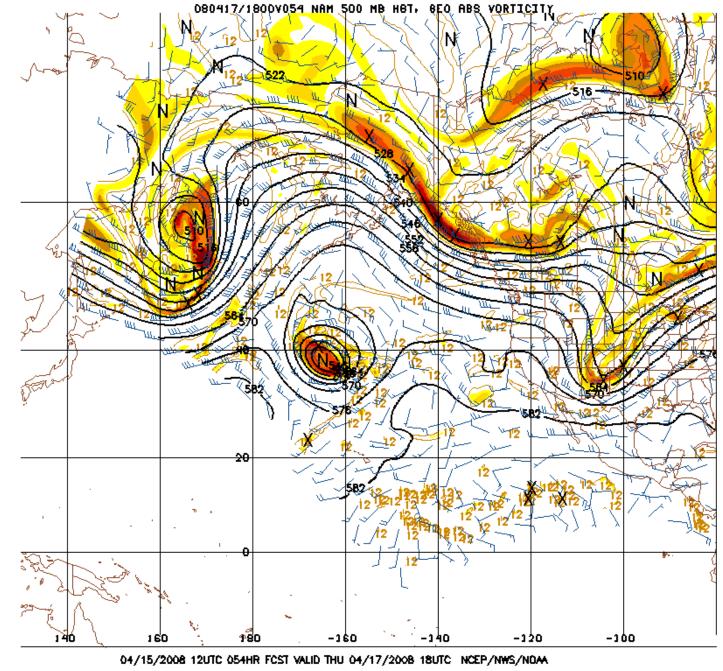




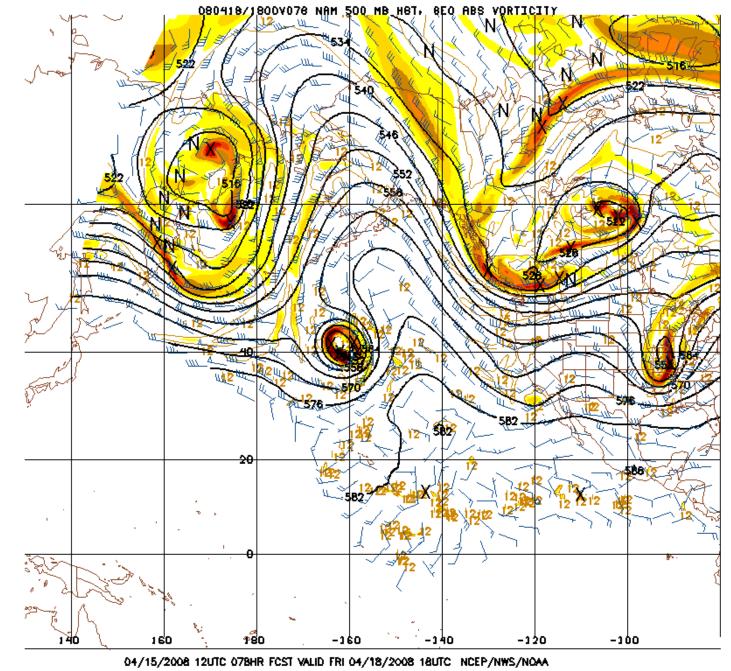
NAM 500 hPa geopotential, 10:00 AM local, Tuesday



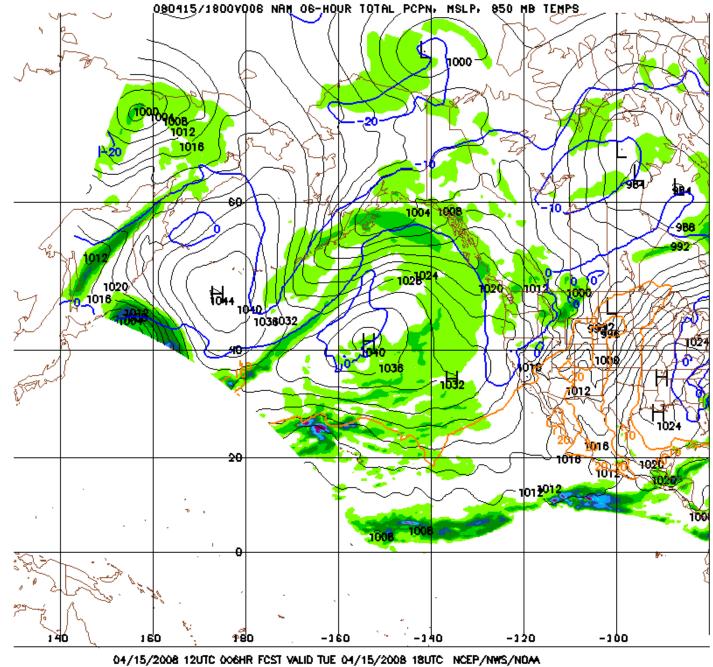
NAM 500 hPa geopotential, 10:00 AM local, Wednesday



NAM 500 hPa geopotential, 10:00 AM local, Thursday

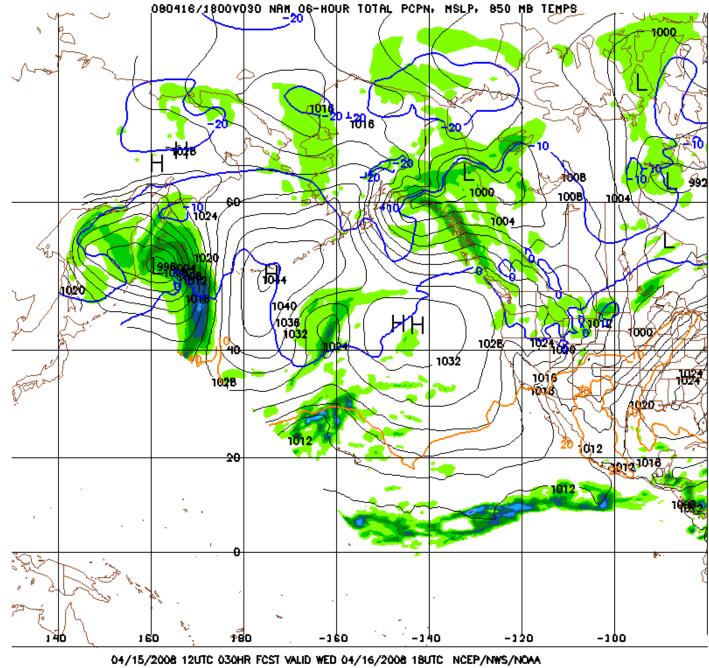


NAM 500 hPa geopotential, 10:00 AM local, Friday



9. oo <mark>-</mark>e. 00 7.00 6.00 5.00 4.00 3.00 2.50 2.00 1.75 1.50 1.25 1.00 . 75 • 50 . 25

NAM MSLP, 10:00 AM local, Tuesday



9. oo

<mark>-</mark>e. 00

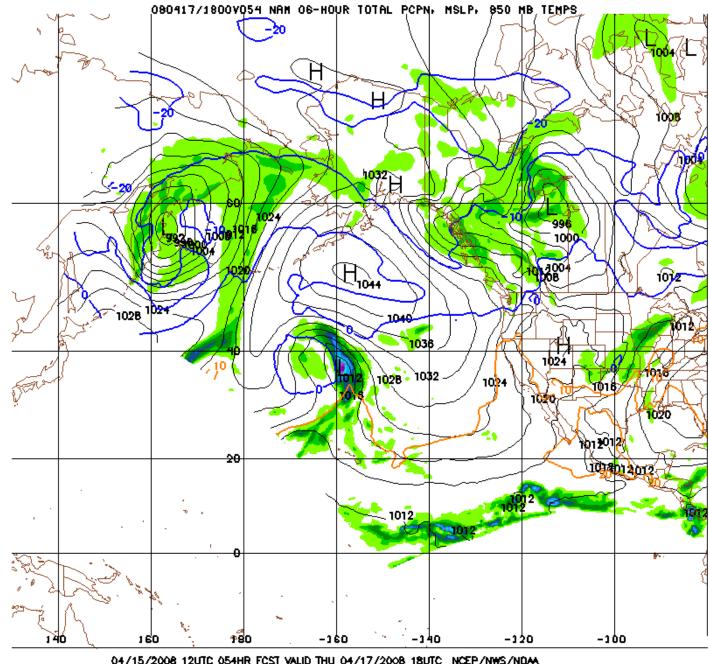
7.00

6.00 5.00 4.00 3, 00 2.50

2.00 1.75 1.50 1.25 1.00 . 75 . 50 . 25

. 10

NAM MSLP, 10:00 AM local, Wednesday



9. oo

<mark>-</mark>e. 00

7.00 6.00

5.00 4.00

3.00 2.50 2.00

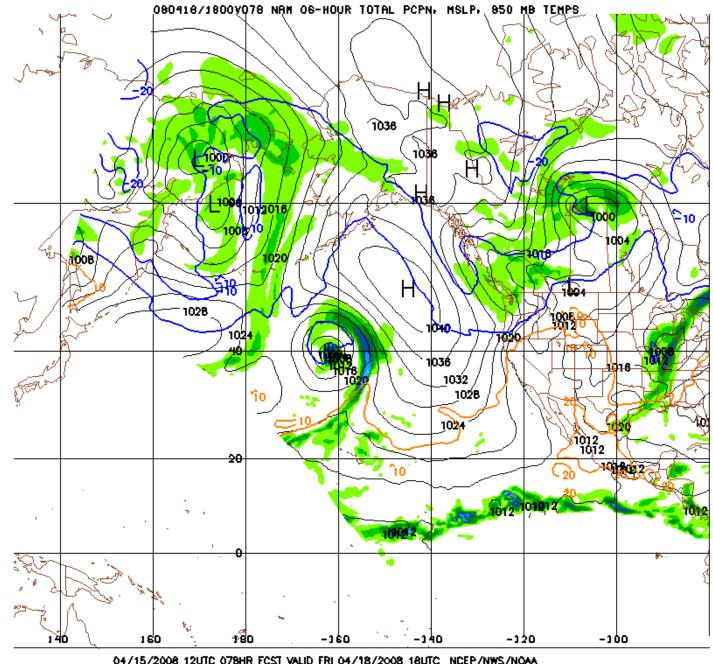
1.75 1.50 1.25

1.00 **-** 75 . 50 . 25

. 10

04/15/2008 12UTC 054HR FCST VALID THU 04/17/2008 18UTC NCEP/NWS/NDAA

NAM MSLP, 10:00 AM local, Thursday



-9. 00

<mark>-</mark>e. 00 7.00

6.00

5.00

4.00 3, 00

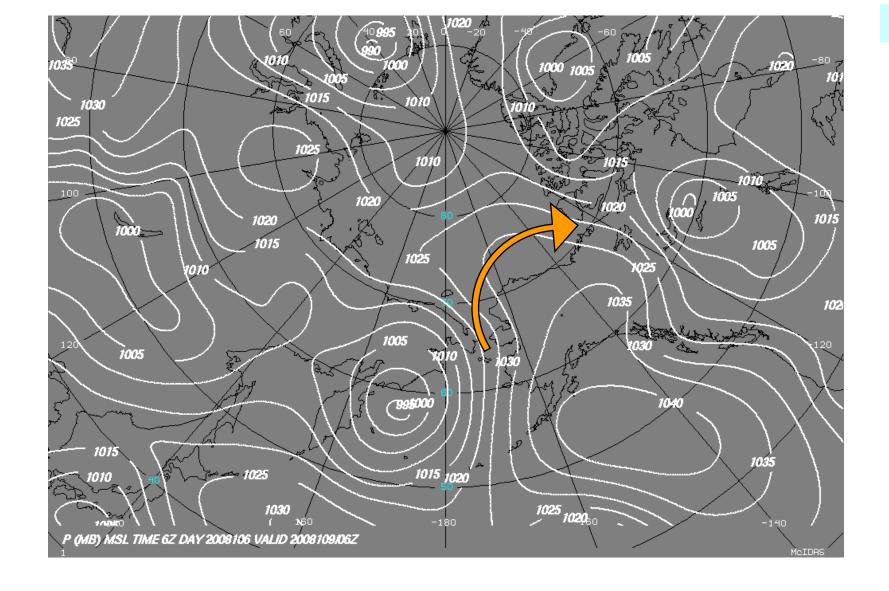
2.50

2.00 1.75 1.50 1.25 1.00

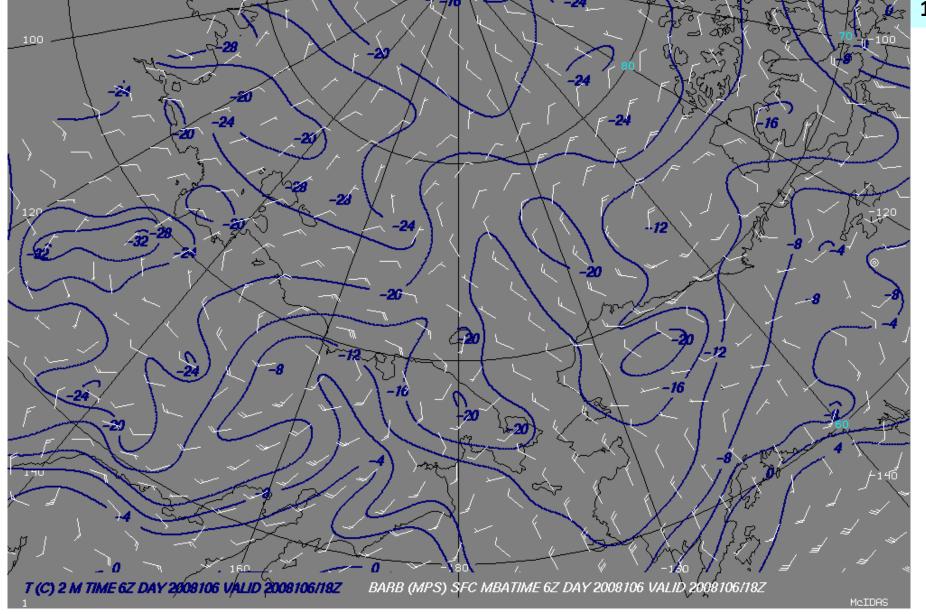
. 50

04/15/2008 12UTC 078HR FCST VALID FRI 04/18/2008 18UTC NCEP/NWS/NOAA

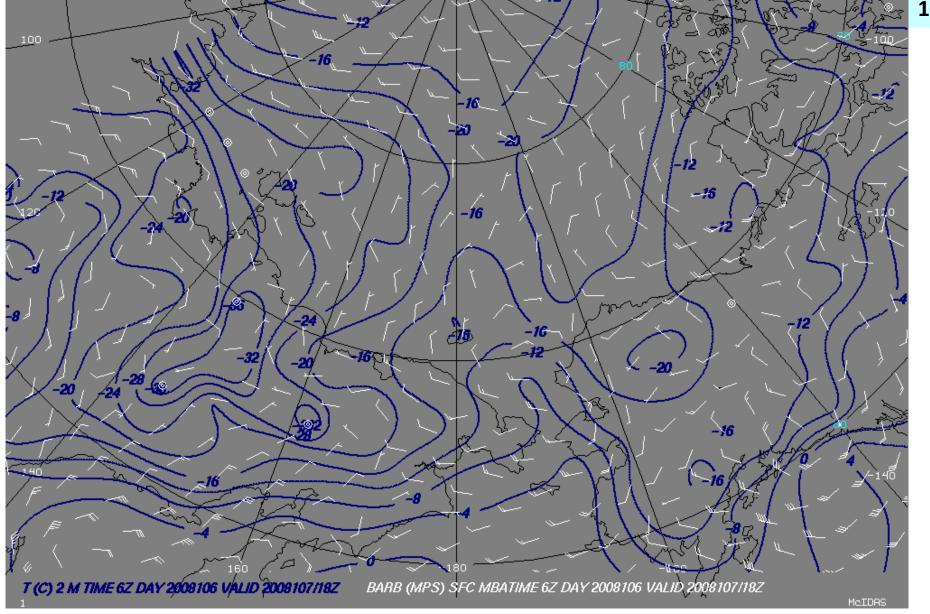
NAM MSLP, 10:00 AM local, Friday



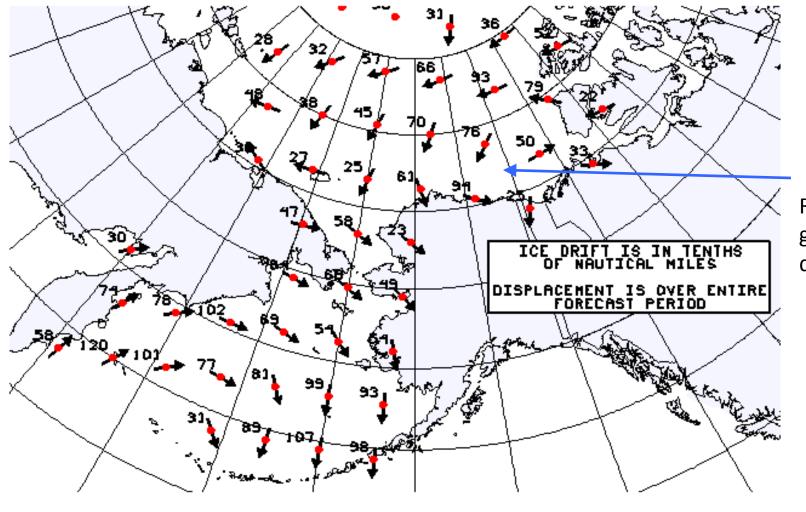
GFS MSLP, 10:00 PM local, Thursday



NAM surface winds from this morning



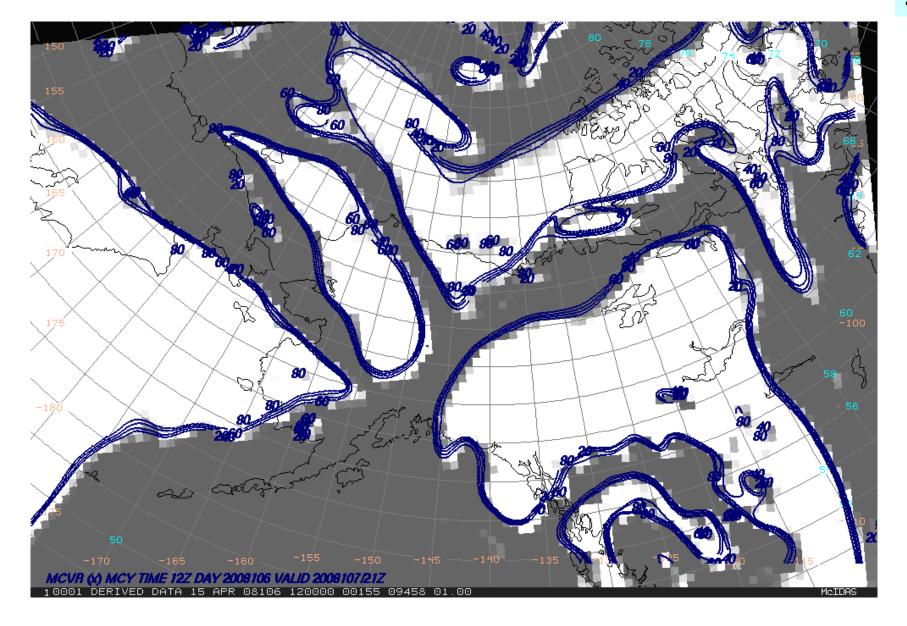
NAM surface winds for Wednesday 10:00 AM local



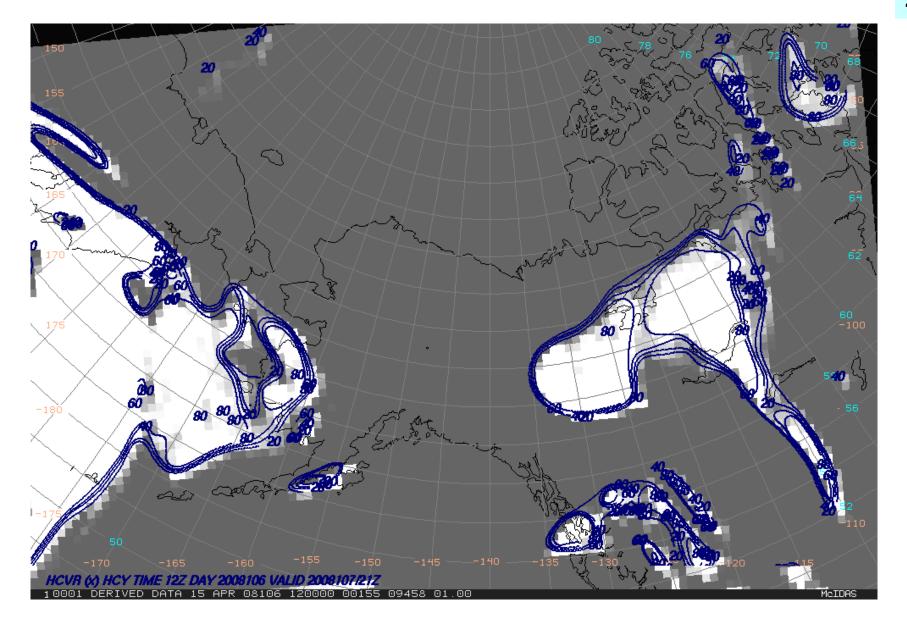
Region of greatest divergence?

MMAB POLAR ICE DRIFT (10×NM) 048HR FCST VALID 2008/04/17 DOUTC

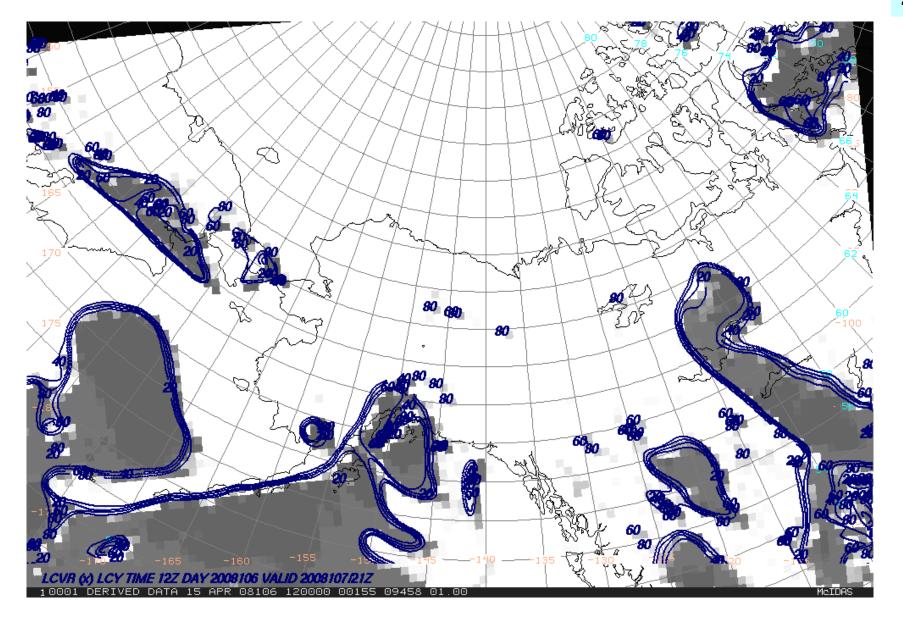
NCEP Ice Drift Product
Distance traveled by the ice (tenths of a mile) between
4:00 PM (local) Monday and 4:00 PM (local) Wednesday



NAM mid-level cloud, 1:00 PM local time, Wednesday



NAM high-level cloud, 1:00 PM local time, Wednesday



NAM low-level cloud, 1:00 PM local time, Wednesday

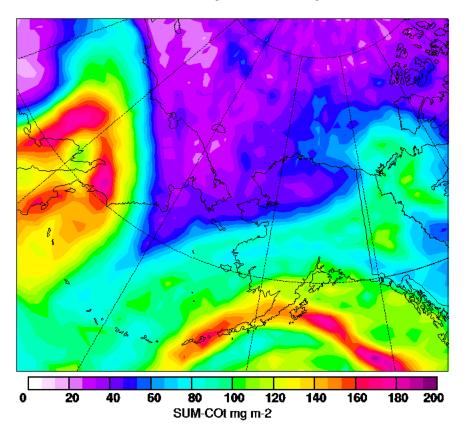
Total CO

Total column of species SUM-CO for age class 0 - 20.00 DAYS

Latest analysis time 20080415. 60000 Actual time 20080415. 0

Mean value 0.855E+02 Maximum value 0.555E+03 Minimum value 0.957E+01

Distance of grid lines 20.0 deg



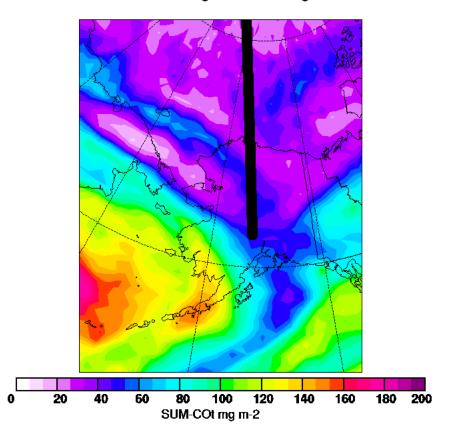
Anthropo CO., Wed. 10am, 12pm

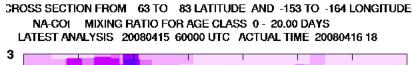
Total column of species SUM-CO for age class 0 - 20.00 DAYS

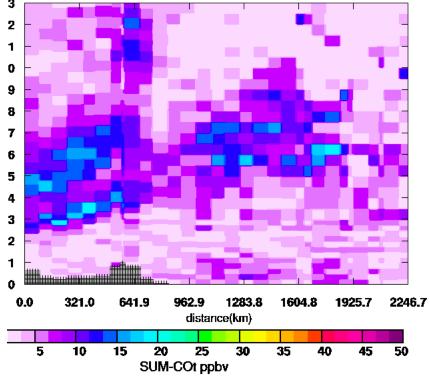
Latest analysis time 20080415. 60000 Actual time 20080416.180000

Mean value 0.867E+02 Maximum value 0.553E+03 Minimum value 0.110E+02

Distance of grid lines 20.0 deg

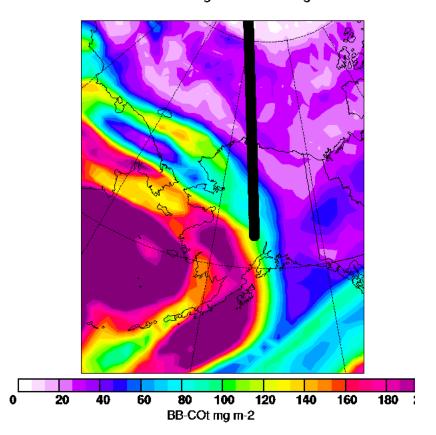




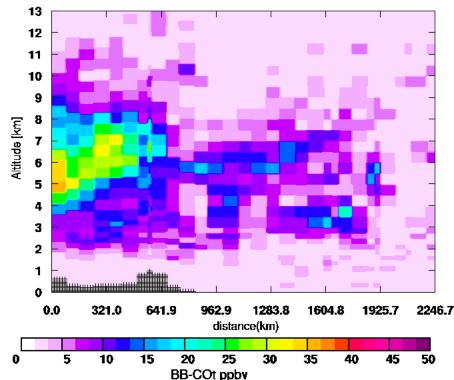


BB CO Wed.10am, 12pm

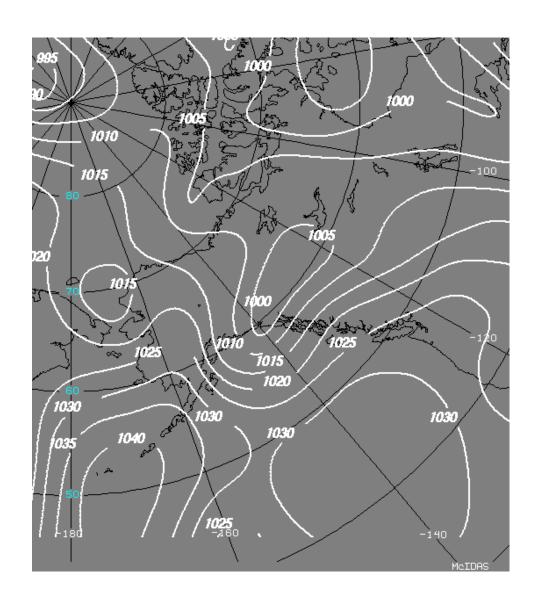
Total column of species BB-COt for age class 0 - 20.00 DAYS
Latest analysis time 20080415. 60000 Actual time 20080416.180000
Mean value 0.586E+02 Maximum value 0.870E+03 Minimum value 0.4
Distance of grid lines 20.0 deg



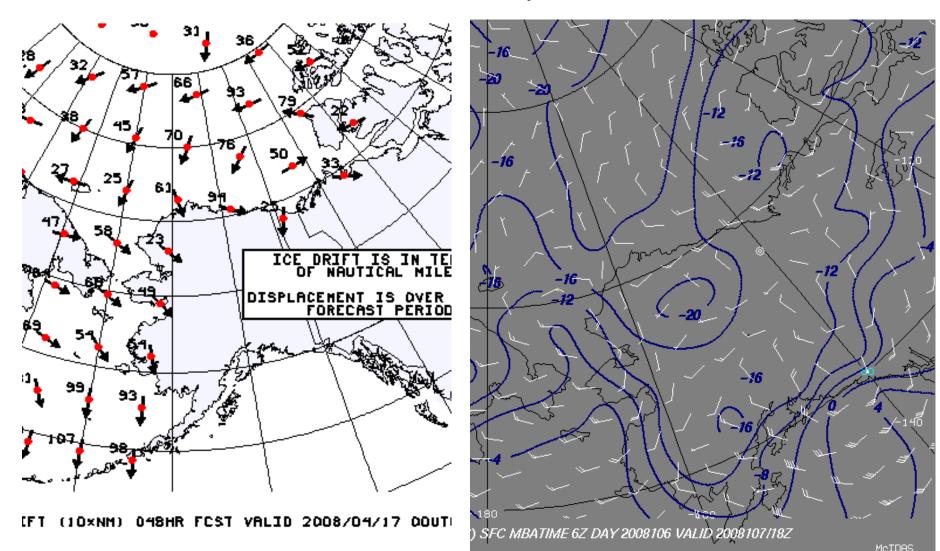


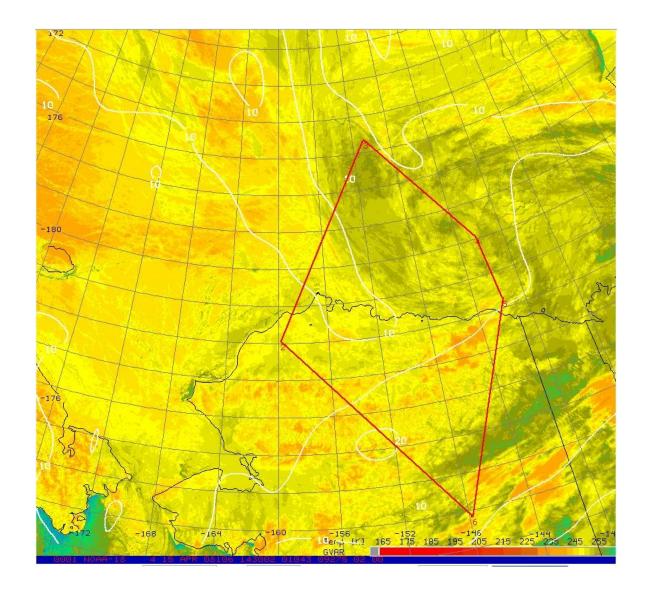


Wed., 10am, Surf pressure



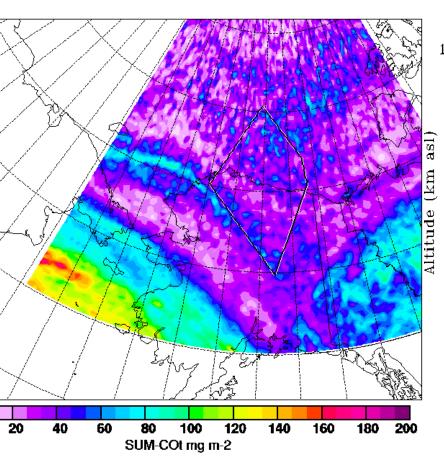
Wed.:ice drift 4pm, surface temp.+wind,10am



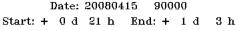


Anthropo CO.

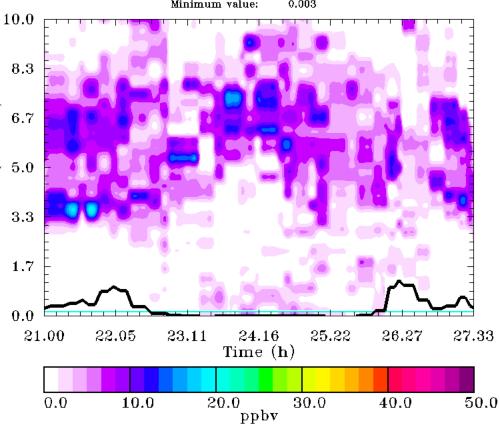
nn of species SUM-CO for age class 0 - 20.00 DAYS
analysis time 20080415. 60000 Actual time 20080417. 0
e 0.454E+02 Maximum value 0.173E+03 Minimum value 0.260EDistance of grid lines 5.0 deg





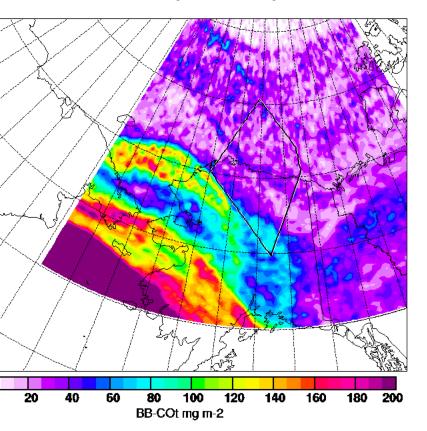


Mean value: 5.145
Maximum value: 17.296
Minimum value: 0.003

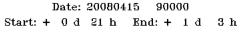


BB CO

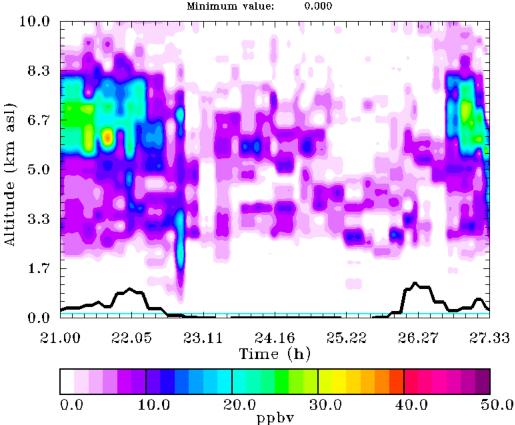
blumn of species BB-COt for age class 0 - 20.00 DAYS
st analysis time 20080415, 60000 Actual time 20080417. 0
alue 0.470E+02 Maximum value 0.354E+03 Minimum value 0.000E+00
Distance of grid lines 5.0 deg



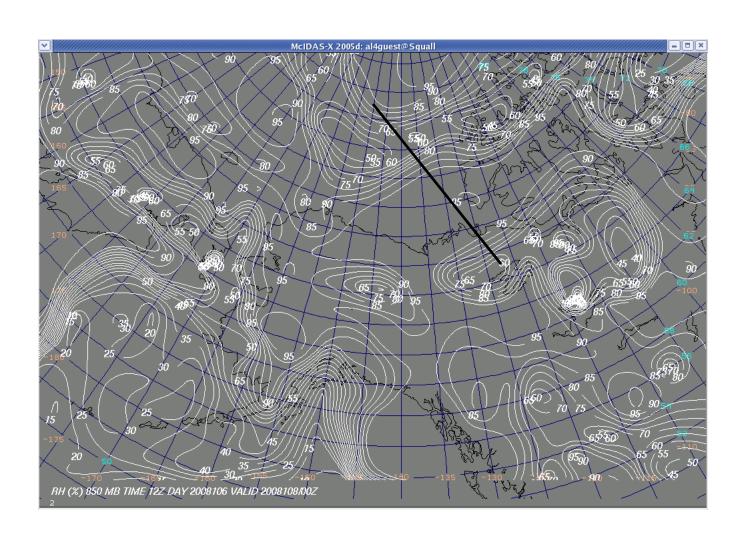
Tracer profile



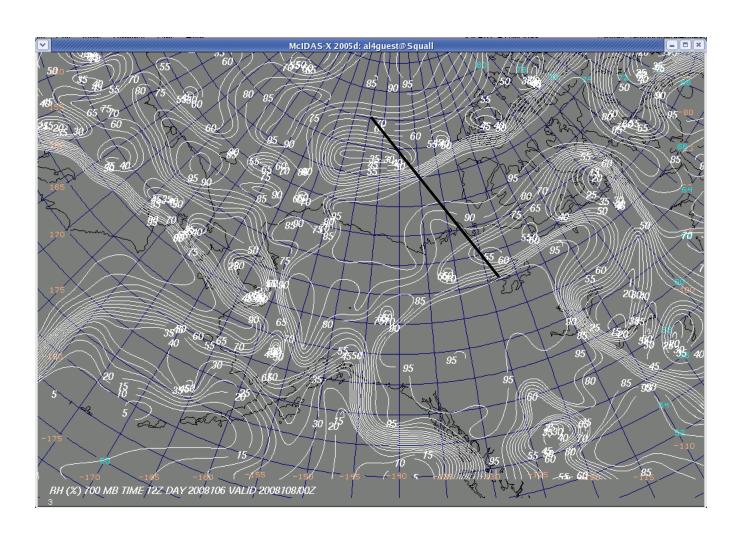
Mean value: 6.088
Maximum value: 32.328
Minimum value: 0.000



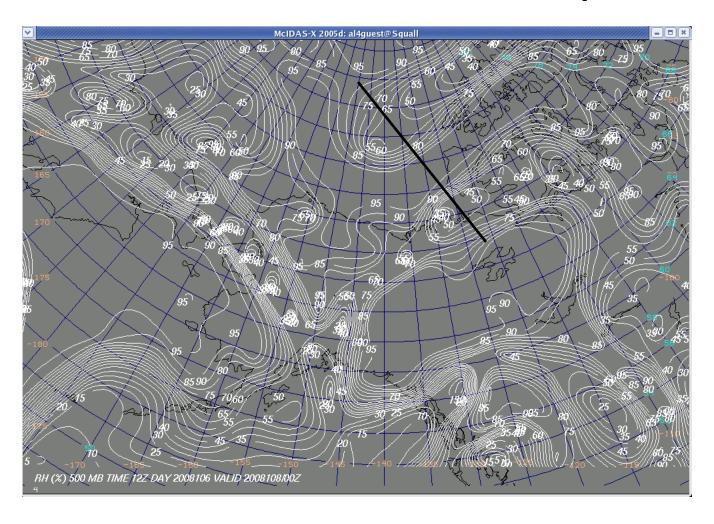
850hPa, RH from GFS,4pm

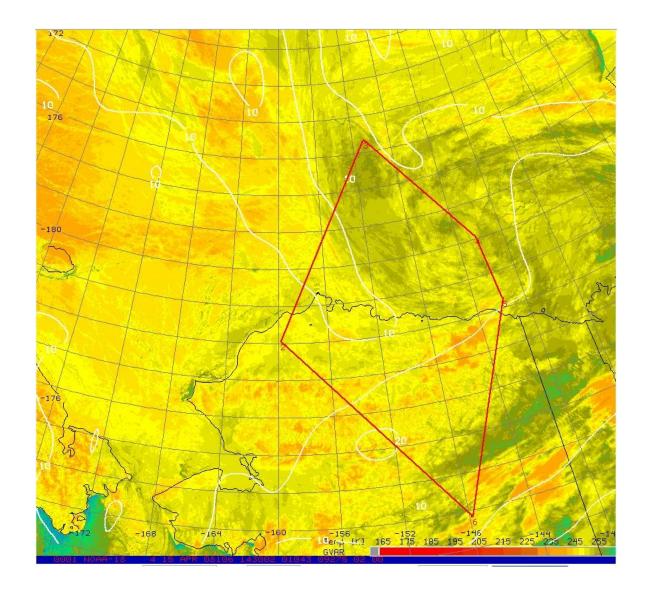


700hPa, RH from GFS,4pm



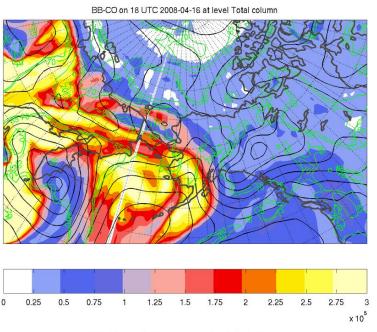
500hPa, RH from GFS,4pm

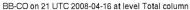


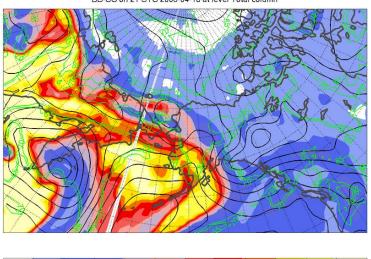


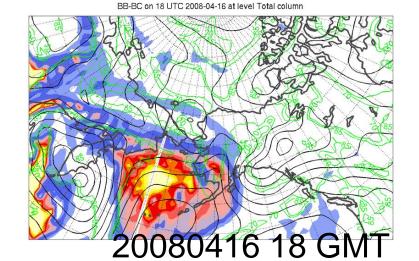
biomass burning CO black carbon

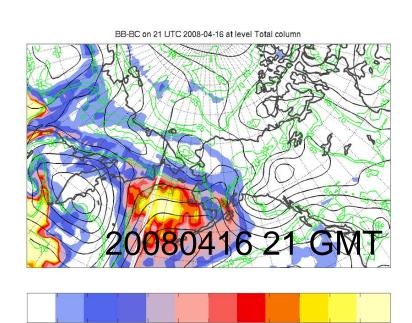
2.75 x 10







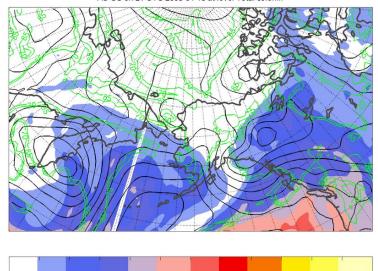




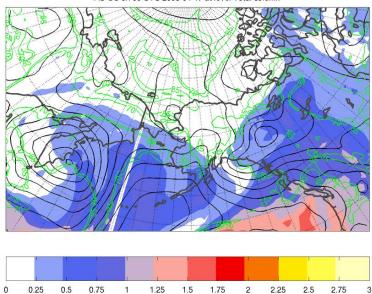
x 10⁵

x 10°

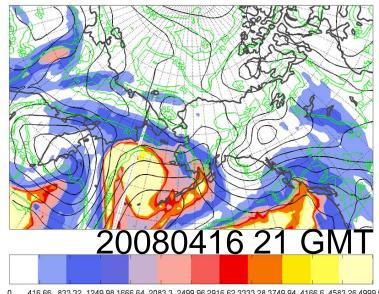
AS-CO on 21 UTC 2008-04-16 at level Total column



AS-CO on 00 UTC 2008-04-17 at level Total column

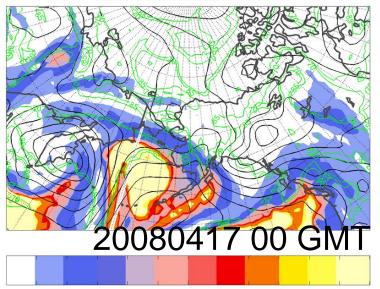


AS-SO4 on 21 UTC 2008-04-16 at level Total column



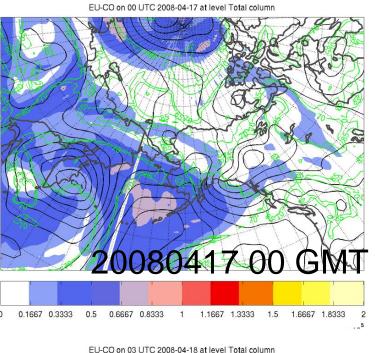
0 416.66 833.32 1249.98 1666.64 2083.3 2499.96 2916.62 3333.28 3749.94 4166.6 4583.26 4999.92

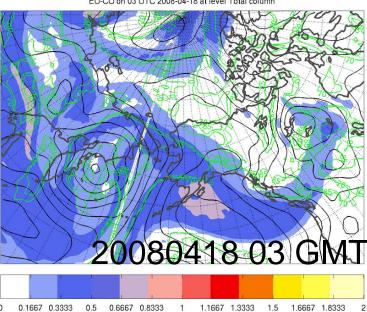
AS-SO4 on 00 UTC 2008-04-17 at level Total column

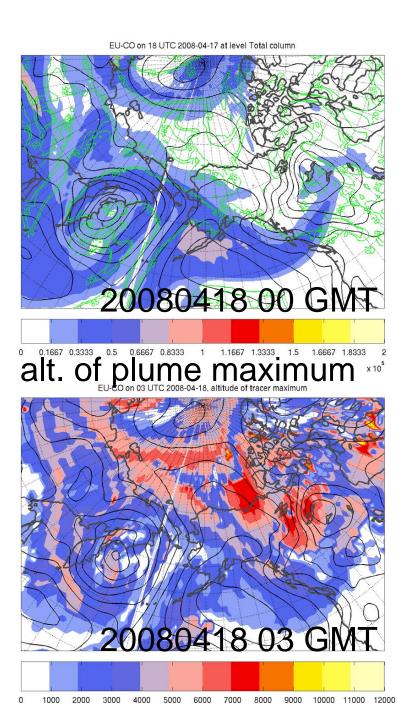


416.66 833.32 1249.98 1666.64 2083.3 2499.96 2916.62 3333.28 3749.94 4166.6 4583.26 4999.92

EU CO



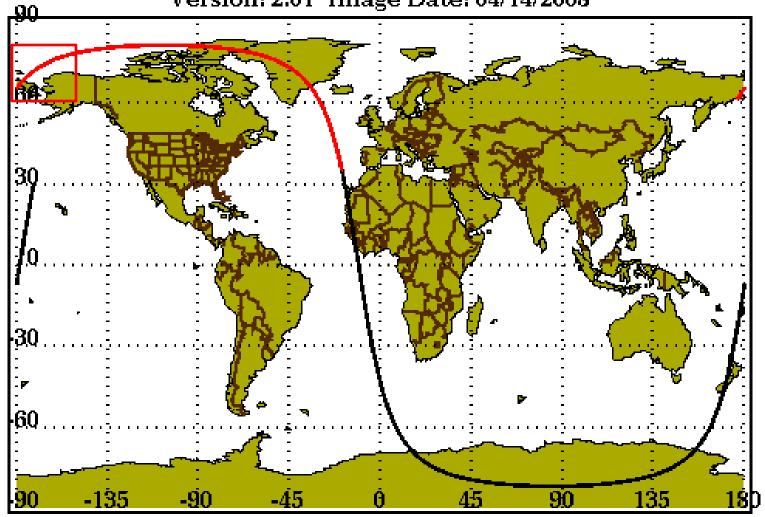




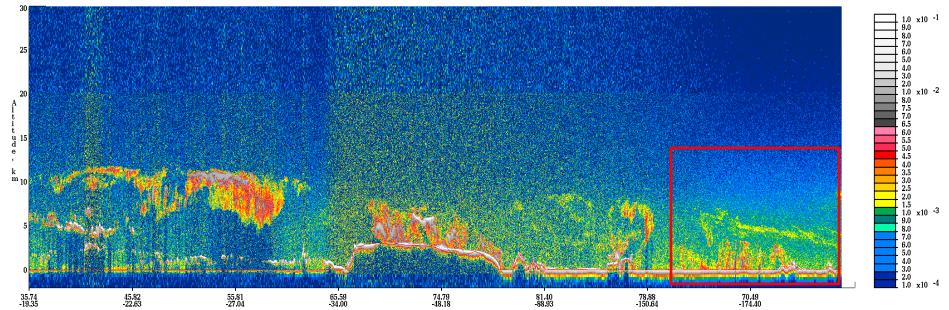
RAQMS Fairbanks Local FX Discussion:

00Z 04/17-04/19 Initialized 12Z 04/14

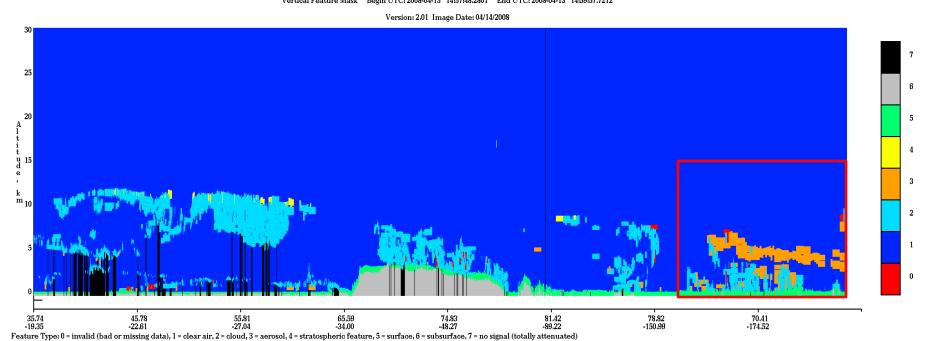
2008-04-13 13-30-00 UTC Half of Hour Conditions Version: 2.01 Image Date: 04/14/2008

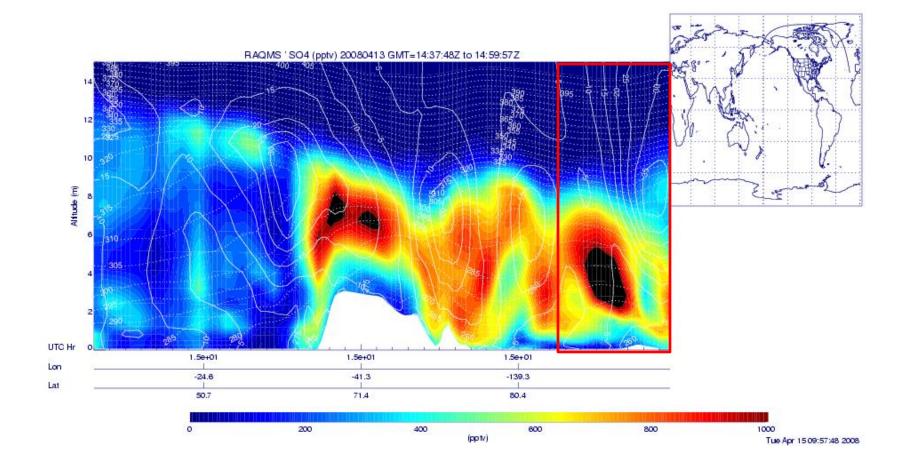


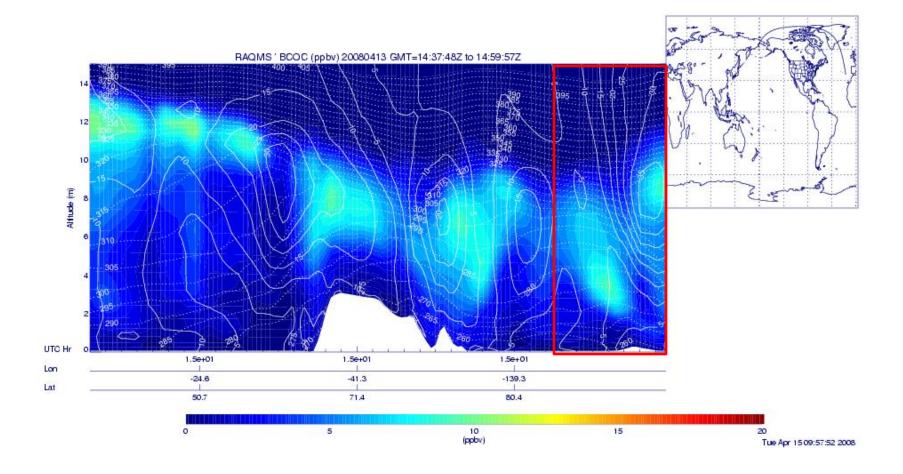




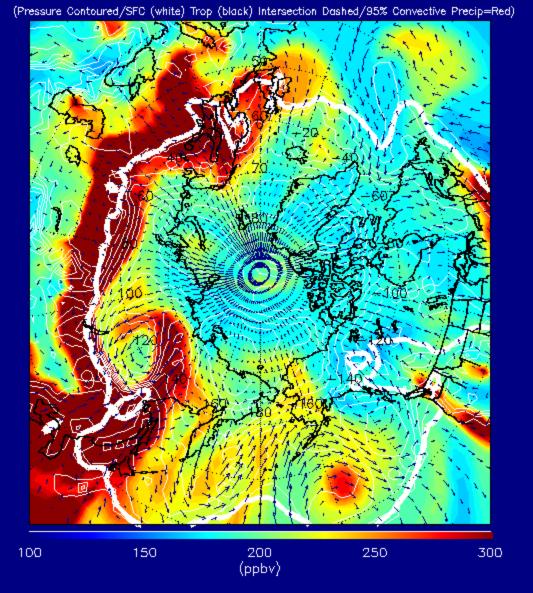
Vertical Feature Mask Begin UTC: 2008-04-13 14:37:48.2801 End UTC: 2008-04-13 14:59:57.7212







280K CO 12Z 20080413



 $RAQMS_G - 24hr$ OMI ASSIM Initialized 12Z 20080413

